

Claims

- [c1] A passive apparatus to prevent the heating of roofs and the attic air underneath it during the hot season by reflecting the incident solar energy.
- [c2] The apparatus provides an insulating air gap between the reflecting surface and the roof.
- [c3] The apparatus also shields the roof from rainwater if the material covering the roof is waterproof.
- [c4] The surface area of the roof covered shall be continuously adjustable allowing a fine control over solar heat energy absorbed by the roof.
- [c5] The apparatus can be mounted on existing dwellings and structures.
- [c6] The passive nature of the apparatus makes it very cost effective.